

Mining Industry Services - Active Mines

Anderson Consulting Engineers, Inc provides engineering and environmental services to a wide range of mining industry clients. ACE experience includes work with the coal mine industry, hardrock mining, aggregate mining, and uranium mining. ACE combines their expertise in geomorphology, river mechanics and mining to provide our clients with mine permitting, fatal flow analysis and mine and reclamation plan design.

Representative active mine projects include:

- *Caballo Rojo Coal Mine Permit Revision, Gillette, WY*: ACE staff developed an extensive ground water model for the Caballo Rojo Mine near Gillette, Wyoming. Using MODFLOW, ACE staff evaluated impacts associated with the mine as well as cumulative impacts of three additional contiguous mines. The model included the coal and overburden (Wasatch) aquifers, open pits, and backfill conditions. ACE staff also assisted in the preparation of the Caballo Rojo Mine Permit renewal document included detailed designs of sedimentation ponds, stream channel diversions, containment ditches, and alternative sediment control measures.
- *Colorado Yampa Coal Mine AOC Determination, Steamboat Springs, CO*: ACE provided engineering and geomorphic support for the Colorado Yampa Coal Company near Steamboat Springs, CO. Services included evaluation of approximate original contour (AOC), and evaluation of stream channel stability.
- *PTBA Bukit Asam Coal Mine, Sumatra, Indonesia*: ACE staff assisted Indonesian mine operators with onsite reclamation problems in South Sumatra, Indonesia. Activities included assessment of hydrologic conditions, design of hydraulic structures, erosion control planning and design, construction supervision, and training in hydrologic/hydraulic/erosion control/construction principles.



Indonesian Bucket Wheel Coal Mine Operations
South Sumatra, Indonesia